

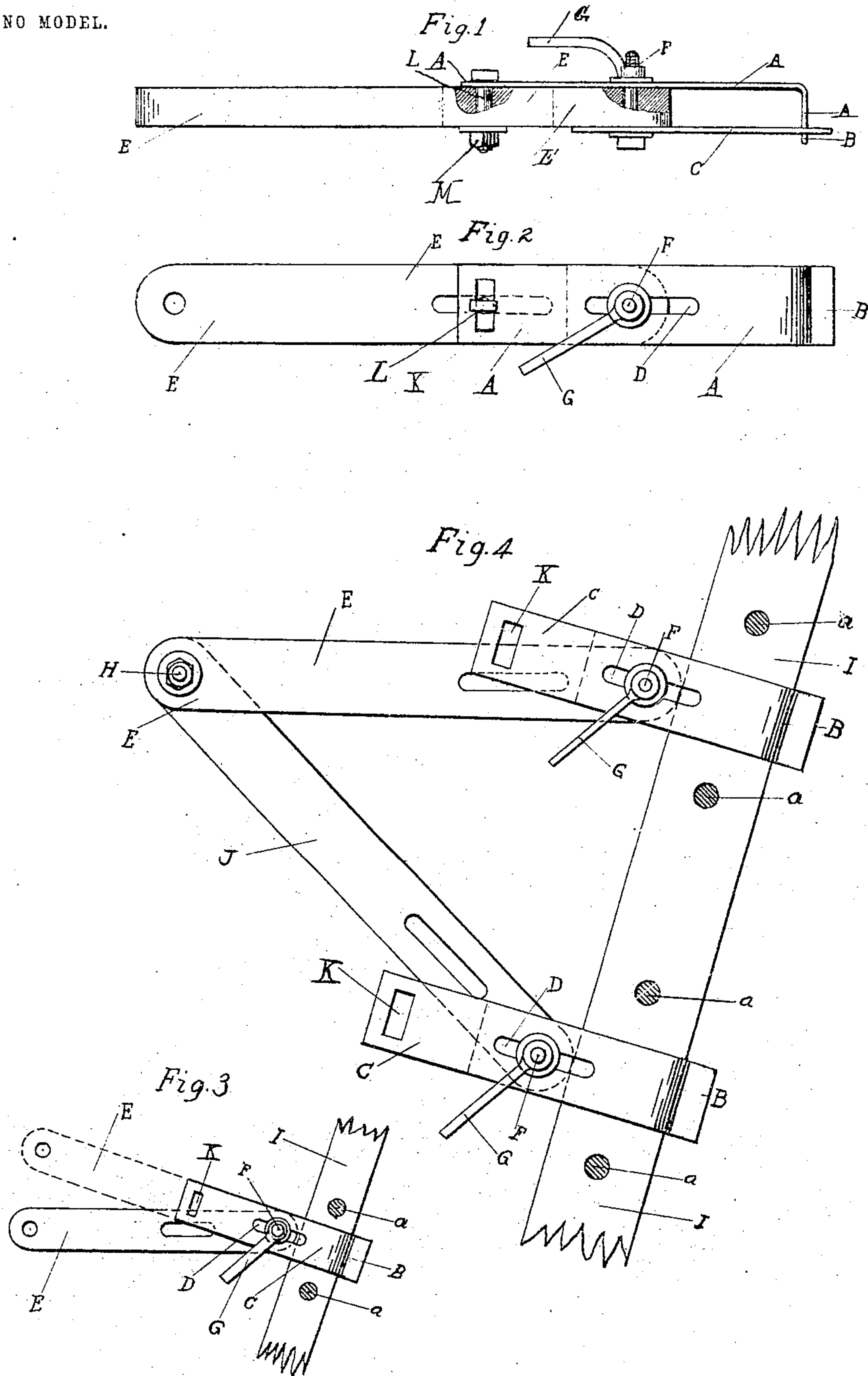
No. 765,817.

PATENTED JULY 26, 1904.

A. M. COX.
SUPPORTING DEVICE.

APPLICATION FILED MAR. 4, 1904.

NO MODEL.



WITNESSES:
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SUPPORTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 765,817, dated July 26, 1904.

Application filed March 4, 1904. Serial No. 197,384. (No model.)

To all whom it may concern:

Be it known that I, AMOS MARION COX, of the city of Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Supporting Devices, of which the following is a full, clear, and exact description or specification, reference being had to the annexed sheet of drawings and to the letters marked thereon.

This invention, which relates to a device capable of being used for fastening supports to a variety of objects, is especially adapted for being fastened to the side members of a ladder or to a scaffolding-pole for the purpose of carrying or supporting scaffold boards and framings and for being fastened to poles or posts used in orchards for carrying such scaffolding as is used in orchards for persons to stand upon when plucking or gathering fruit from the upper parts of fruit-trees.

Upon the annexed drawings, Figure 1 is a plan of the device constituting my invention. Fig. 2 is a side elevation corresponding to Fig. 1. Fig. 3 is a side elevation of the same attached to one of the side members of a ladder and showing the supporting part in two different positions, one being indicated in dotted lines. Fig. 4 is also a side elevation of the side member of a ladder, showing my invention applied thereto for carrying scaffolding-boards; but in this case two of the members constituting my invention are connected together for giving greater support than is obtained by the use of one of such members.

The device constituting my invention, as shown at Figs. 1 and 2, consists of a flat metallic part A, formed with a longitudinal slot at its rear part, having its front part bent over and formed with a projection B, which enters into a corresponding slot, as shown at Fig. 1, in the opposite member of the device marked C. The plates or members A and C each have a longitudinal slot D, as more particularly shown at Fig. 2. Through these slots D and through a corresponding circular hole formed in the third member of the device E, which is preferably a bar of wood or of other material, a bolt F passes. One end of this bolt F is screwed, as shown at Fig. 1, and upon this screwed part there is placed the

combined handle and nut G, which by being tightened or released by turning it upon the screw portion of the bolt F either binds the parts A, C, and E tightly together in any required position or releases them from being held tightly together. The inner end of the member E is preferably rounded, as shown in the drawings, so that it may be moved into any angular position upon the bolt F as an axis, while the length of the open space between the end and sides of the members A and C and the rounded end of the member E is capable of being adjusted, as required, to accommodate the dimensions of the side member I of a ladder or of a scaffold-post or that of other object to which the device constituting my invention is to be fastened for the purpose of constituting a support for scaffold-boards or other objects, as hereinbefore stated.

Fig. 3 shows the device constituting my invention attached to one of the side members of a ladder, the circles marked *a a* indicating the ends of the rungs of the ladder, while the dotted position of the part or member E indicates that the part or member E may be moved about the bolt or axis F to any angle necessary.

The upper part of Fig. 4 corresponds to Fig. 3, excepting that it is drawn upon a larger scale, while at the outer end of the member E in Fig. 4 there is shown a bolt and nut H, which passes through the end of the member E and the corresponding member J of a second fastening device, which is screwed at a lower level upon the side I of the ladder, the part J when this is used constituting an additional support to the upper member E of the upper supporting device.

With the view of rendering the parts or members A, C, and E incapable of being turned pivotally upon the bolt F, as hereinbefore described, the part or member A of the device is provided with a slot K and a corresponding hole in the member E. Through this slot K and the corresponding slot in the member E a bolt L passes, said bolt L having a screw-nut M thereon, which when tightened causes the bolt L to hold the member C in such manner that it and the member A cannot be moved pivotally upon the bolt F. This

bolt and nut L and M are used when the members A, C, and E are to be held in straight line with each other, and a slot is formed either in that part of the member A through which the bolt passes or in the member E, or such slot may be formed in both the members A and E to allow of the members A and B to be slid longitudinally inward or outward upon the member E in the same manner which the slot D admits of. The slot K is long enough to admit of a limited amount of pivotal motion of the parts A, C, and E upon each other; but when the parts A, C, and E require to be moved to an angle greater than the slot K admits of then the bolt and nut L and M are removed, as shown at Figs. 3 and 4.

Having now described the nature of my said invention and the best system, mode, or manner I am at present acquainted with for carrying the same into practical effect, I desire to observe in conclusion that what I consider to be novel and original, and therefore claim as the invention to be secured to me by Letters Patent, is as follows:

1. The fastening and supporting device, consisting of two flat members united at their outer ends by a projection on one member entering a slot in the other member and having corresponding longitudinal slots at their other ends, a third flat member having at its inner end a hole corresponding in position to the slots in the other two members, the device having a screw bolt and nut passing through the slots in the outer members and the hole in the inner end of the third member, also a sec-

ond bolt and nut passing through the parts at the rear of the aforesaid bolt and nut, all operating together in the manner and for the purposes substantially as hereinbefore described.

2. The combination of two of the devices constituting my said invention, each of which devices, respectively, consists of two flat members having a projection on the outer end of one such member entering a slot in the outer end of the other such member and corresponding slots at the opposite ends thereof, having also a third member held between the two outer members, having a hole in it through which a screw-bolt passes, said screw-bolt being provided with a tightening and loosening nut, said members each having a screw bolt and nut passing through them, which bolt is removed when the angle at which the two devices are situated in operative combination is such that the bolt when in the slots will not admit of the outer ends of the third member of each such fastening and supporting device being connected together by a bolt, thereby operating to the mutual support of each, in the manner and for the purposes substantially as hereinbefore described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

AMOS MARION COX. [L. s.]

Witnesses:

HADASSAH DAY,
ST. JOHN DAY.